



CHROMA ATE INC.

2015.4Q Investor Conference

23rd February, 2016

Test
and
Auto
Solution
provider

This presentation contains some forward-looking statements that are subject to substantial risks and uncertainties. Typically, these statements contain words such as “anticipate”, “believe”, “could”, “estimate”, “expect”, “intend”, “plan”, “forecast”, “project”, “predict”, “potential”, “continue”, “may”, “should”, “will”, and “would” or similar words. You should consider these forward-looking statements carefully because such statements are only our expectations or projections about future events, and actual results may differ materially from those expressed or implied by such statements. The forward-looking statements in this presentation include, but are not limited to, growth rates for various markets estimated by third party sources, future products and technology development, widespread market acceptance of the hosted delivery model, future revenue growth and profitability. You should be cautioned that the forward-looking statements are no guarantee of our future performance. The forward-looking statements contained in this presentation are made only as of the date of this presentation and we undertake no obligation to update the forward-looking statements to reflect subsequent events or circumstances, except as required by law. This presentation and the information contained herein are the property of Chroma Ate Inc.

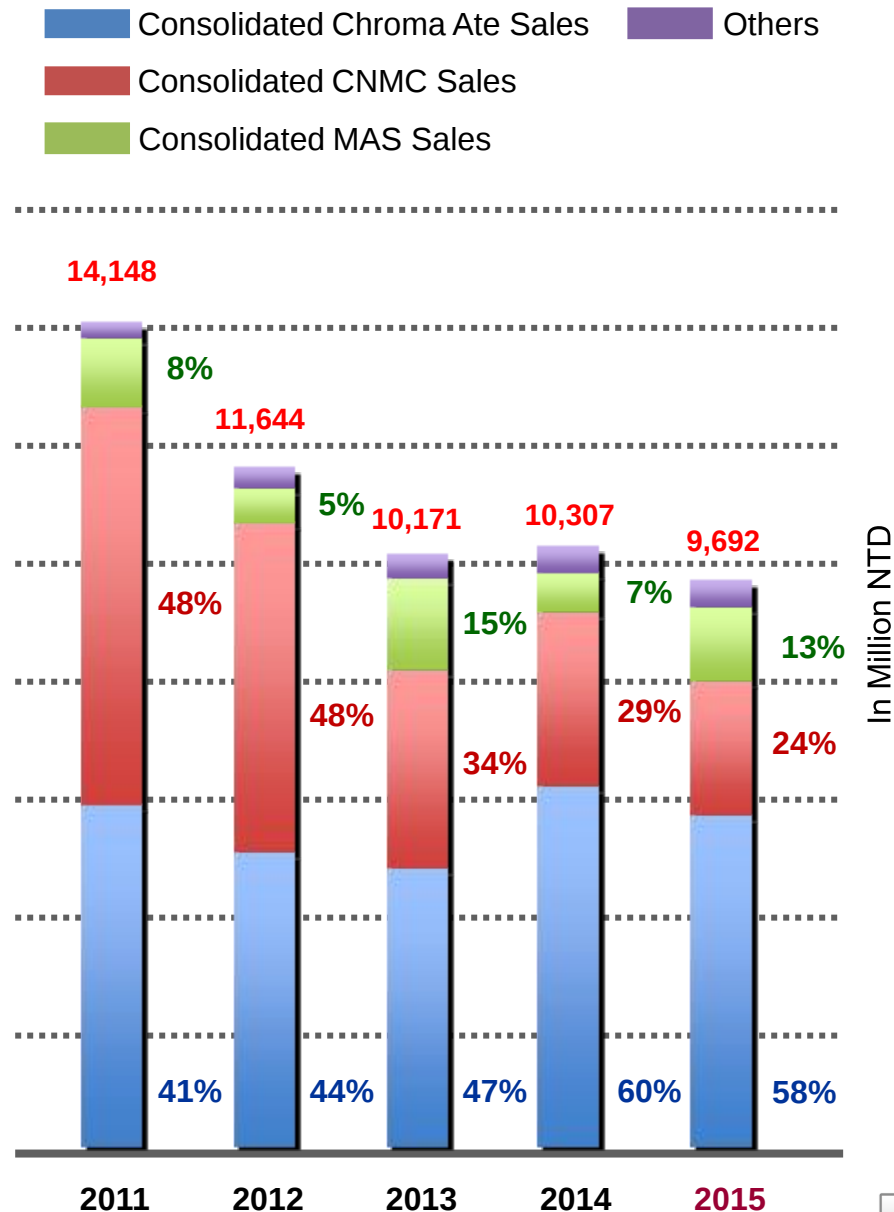
- **Corporate Profile**
- **Financial Review**
- **Operation Highlights**
- **Q&A**

CORPORATE PROFILE

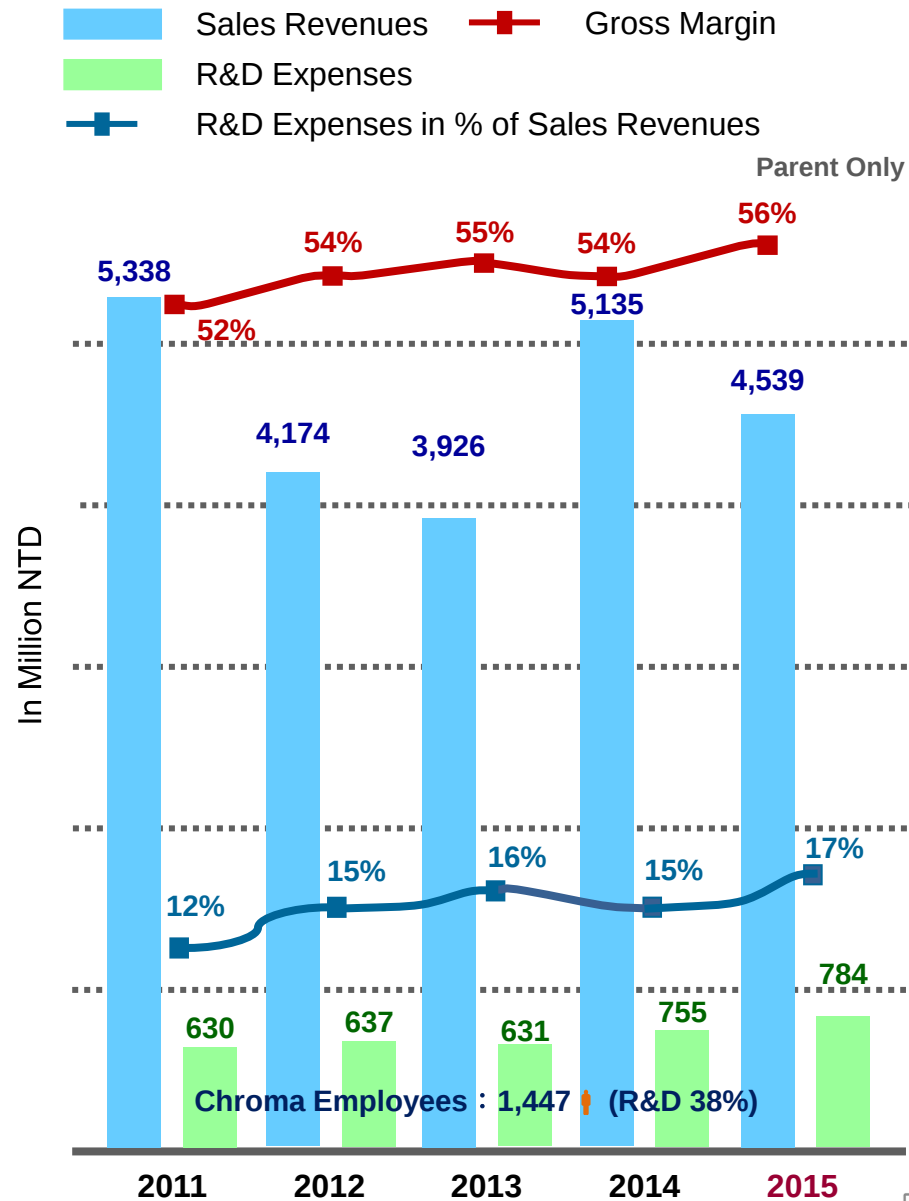
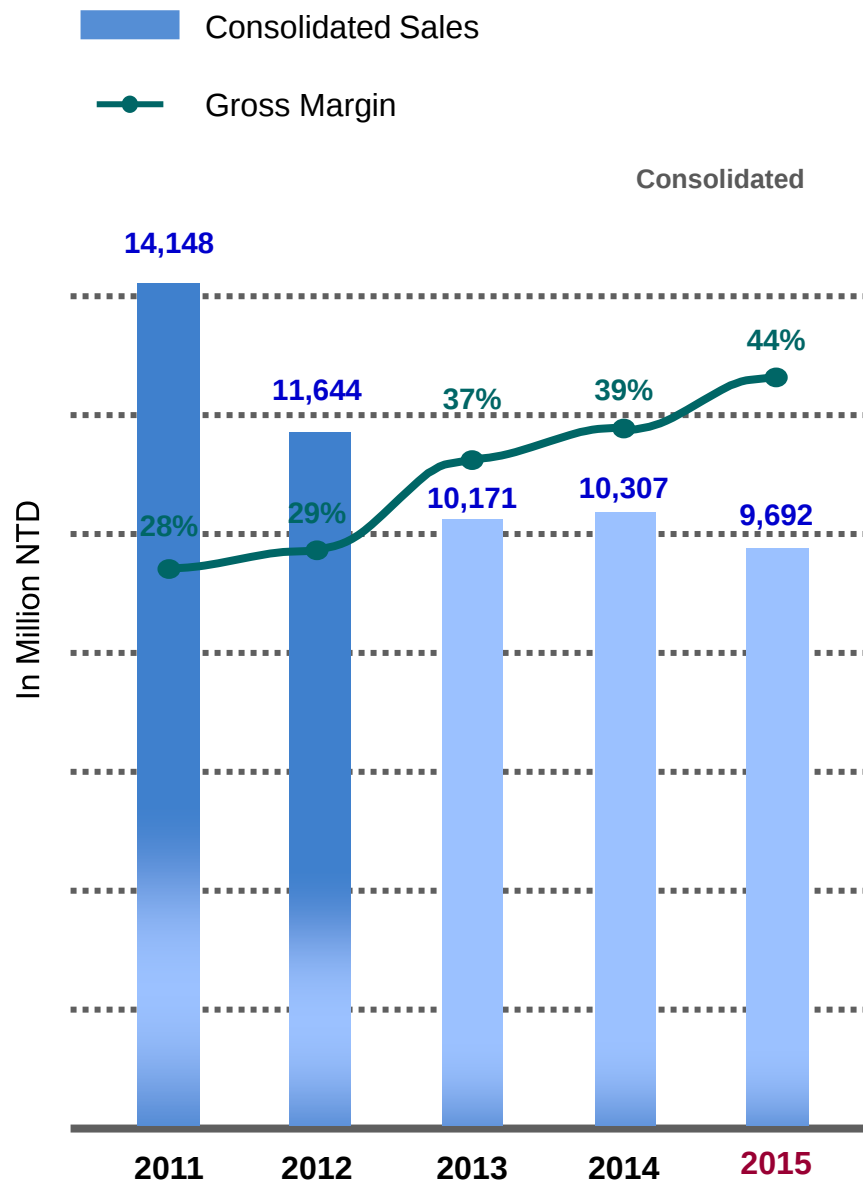


Corporate Profile

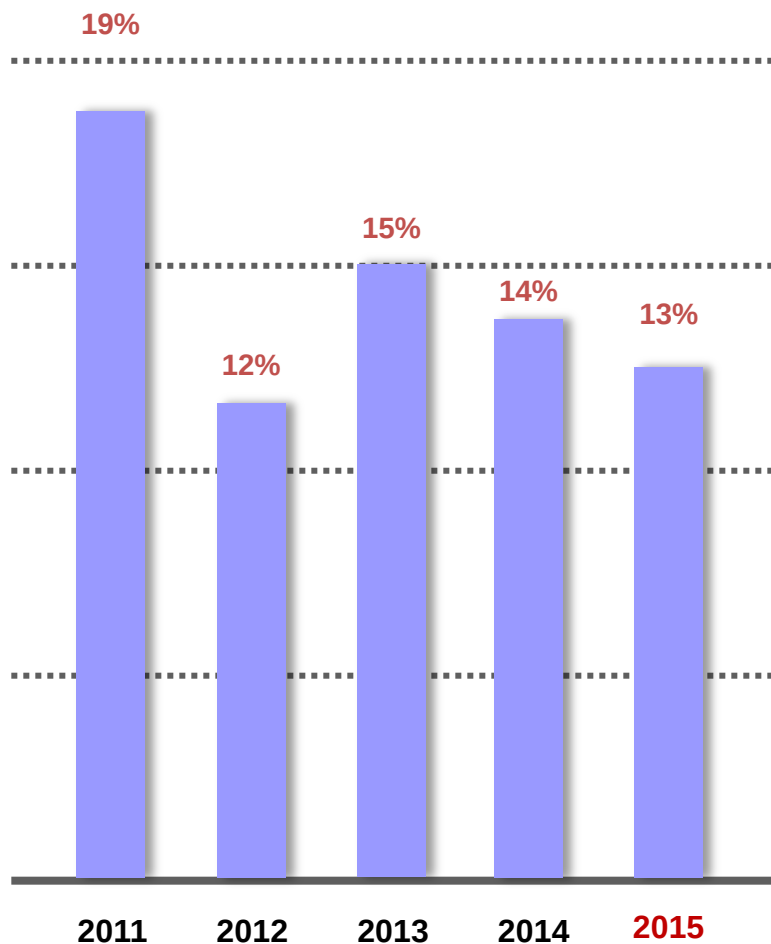
- Chroma Group founded in 1984, a world leading own brand turnkey test & automation solution provider, specialized in electronics test and measurement instruments and ATS (auto test system). Businesses cover test and measurement instruments and ATS for various industries, and a turnkey solution as an integration of Test and Measurement , Automation and MES (manufacturing execution system).
- Key success: Precision, Reliability, Innovation
- Chroma group encompass business unit of Chroma Ate Inc., Modular Assembly System (MAS) and Chroma New Material Corp (CNMC).
- 2015 Consolidated Sales : NT\$ 9.69 billion
- 2015 Net Income: NT\$1.24 billion
- Chroma Group total of 2,310 employees (as Dec, 2015)



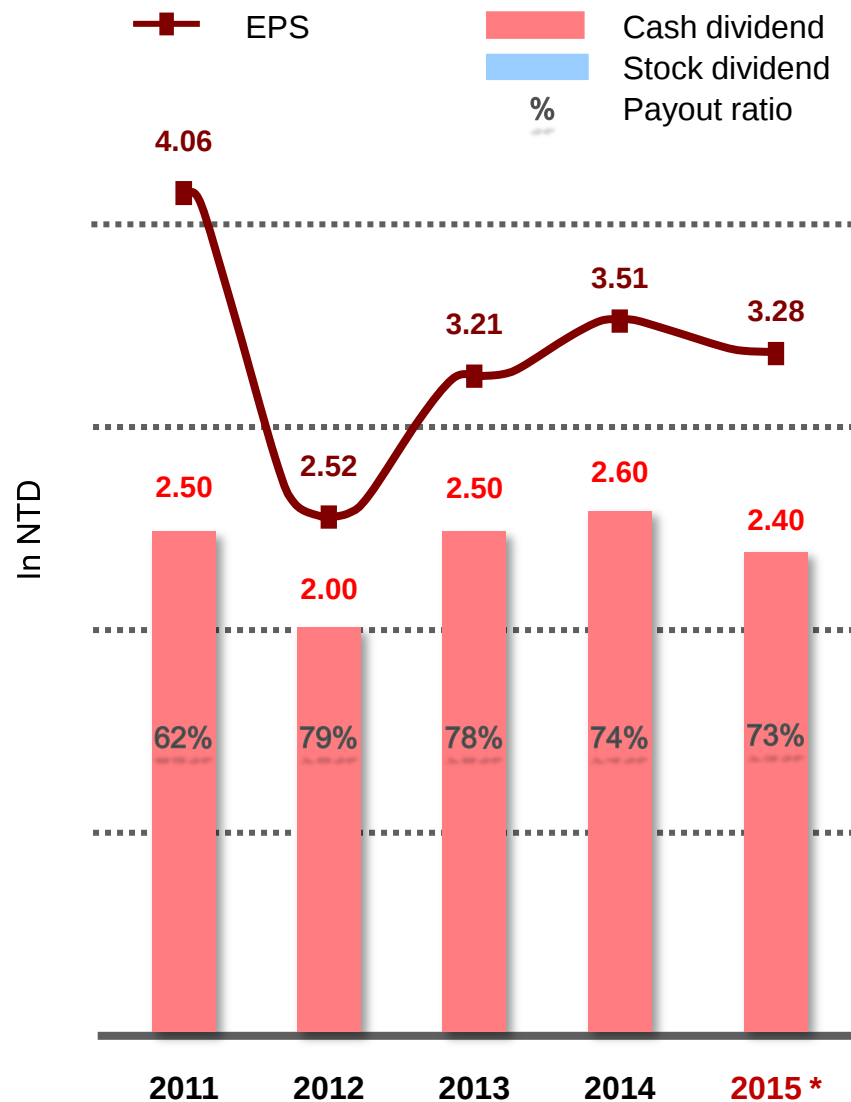
Financial Performance



ROE



Dividend



* The dividend will be paid out after the resolutions of Annual General Shareholders meeting.

Chroma Global Network

Chroma

Global Employees : 2,310 ↓ , Branch Offices x17, Distributors x68



FINANCIAL REVIEW



Year 2015 Condensed Consolidated Income Statement **Chroma**

Condensed Consolidated P&L

(In Million NTD, except for EPS in NTD)

	2015	%	2014	%	YoY %
Net Sales	9,692	100%	10,307	100%	(6%)
Consolidated Sales of Testing Equipment Business	5,666	58%	6,175	60%	(8%)
Consolidated Sales of MAS	1,261	13%	680	7%	85%
Consolidated Sales of New Material	2,328	24%	2,983	29%	(22%)
Others	437	5%	469	4%	(7%)
Cost of Goods Sold	(5,471)	(56%)	(6,261)	(61%)	(13%)
Gross Profit	4,221	44%	4,046	39%	4%
Operating Expenses:					
General & Administration	(2,128)	(22%)	(1,995)	(19%)	7%
Research & Development	(873)	(9%)	(830)	(8%)	5%
Operating Income	1,220	13%	1,221	12%	-
Non-Operating Income (Expenses), net	263	2%	302	3%	(13%)
Income (Loss) Before Tax	1,483	15%	1,523	15%	(3%)
Income Tax	(288)	(3%)	(227)	(2%)	27%
Net Income	1,195	12%	1,296	13%	(8%)
Other Comprehensive Income (Losses)	(132)	(1%)	5	-	n/a
Comprehensive Income	\$ 1,063	11%	\$ 1,301	13%	(18%)
Net Income (Losses) Attributable To:					
Shareholders of the Parent	1,237	13%	1,318	13%	(6%)
Noncontrolling Interests	(42)	(1%)	(22)	-	91%
	\$ 1,195	12%	\$ 1,296	13%	(8%)
EPS (Basic)	\$ 3.28		\$ 3.51		(7%)
EPS (Diluted)	\$ 3.10		\$ 3.30		(6%)

Balance Sheet Highlights & Financial Ratio

Consolidated (In Million NTD)

Balance Sheet Highlights

	<u>2015. Dec</u>	<u>2014. Dec</u>	+ / - %
Cash & Short Term Investments	5,116	4,129	24%
Inventory	1,636	1,605	2%
Short Term Debt	333	425	- 22%
Long Term Debt	3,142	2,488	26%
Shareholders Equity	9,531	9,373	2%
Total Assets	16,060	14,970	7%
Inventory Turnover (Day)	108	91	
AR Turnover (Day)	108	108	
AP Turnover (Day)	91	76	
Net Debt to Equity (%)	-	-	
ROE (%) ●	13%	14%	
ROA (%) ●	8%	9%	

Cash Position

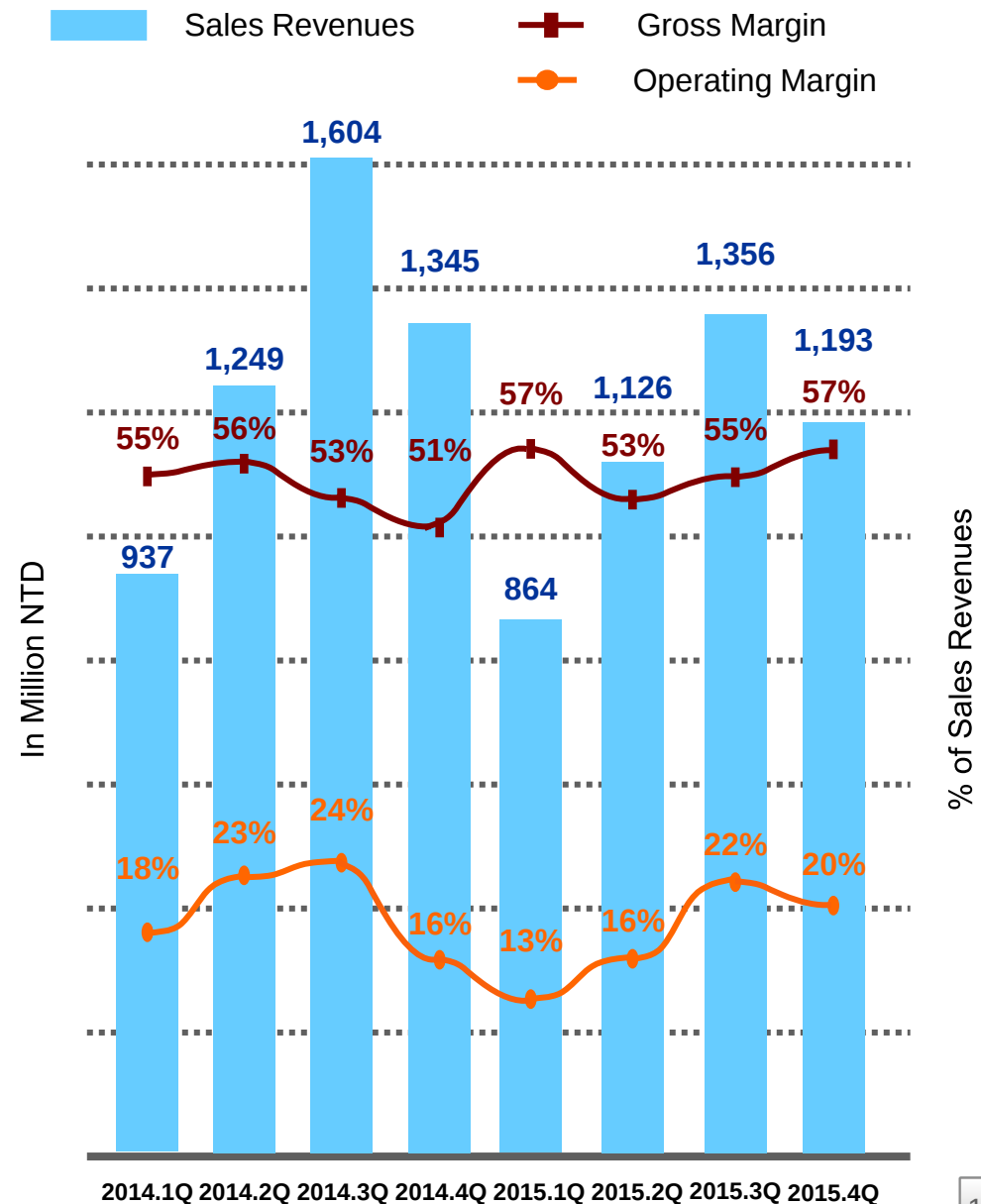
	<u>2015</u>	<u>2014</u>	YoY
EBITDA	1,853	1,856	-
Cash Flow from Operation	2,269	1,228	85%
Free Cash Flow ●●	1,101	(407)	n/a

● All ROE + ROA has been annualized.

●● Free Cash Flow = Net Cash Provided by Operating Activities + (Net Cash used by Investing Activities)

2015.4Q Key Points

- Sales Revenue: \$ 1,193 million, down 12% QoQ, down 11% YoY
- Gross Margin: 57%
- Operating Margin: 20%
- Net Income: NT\$ 250 million, down 48% QoQ, down 22% YoY
- 2015.4Q Highlights:
 - In the low season of fourth quarter, the Semiconductor testing solutions is major growth driver, presented a 14% growth QoQ.



Year 2015.4Q Condensed Income Statement

Condensed P&L – Parent Only (In Million NTD, except for EPS in NTD)	2015.4Q	%	2015.3Q	%	QoQ %	2014.4Q	%	YoY %
Net Sales	1,193	100%	1,356	100%	(12%)	1,345	100%	(11%)
Cost of Goods Sold	(515)	(43%)	(610)	(45%)	(16%)	(664)	(49%)	(22%)
Gross Profit	678	57%	746	55%	(9%)	681	51%	-
Operating Expenses:								
General & Administration	(237)	(20%)	(235)	(17%)	1%	(259)	(19%)	(8%)
Research & Development	(204)	(17%)	(207)	(16%)	(1%)	(213)	(16%)	(4%)
Operating Income	237	20%	304	22%	(22%)	209	16%	13%
Non-Operating Income (Expenses), net	50	4%	243	18%	(79%)	142	10%	(65%)
Income (Loss) Before Tax	287	24%	547	40%	(48%)	351	26%	(18%)
Income Tax	(37)	(3%)	(65)	(4%)	(43%)	(32)	(2%)	16%
Net Income	\$ 250	21%	\$ 482	36%	(48%)	\$ 319	24%	(22%)
Other Comprehensive Income	(101)	(9%)	141	10%	n/a	103	7%	n/a
Comprehensive Income	\$ 149	12%	\$ 623	46%	n/a	\$ 422	31%	(65%)
EPS (Basic)	\$ 0.66		\$ 1.28		(48%)	\$ 0.86		(23%)
EPS (Diluted)	\$ 0.62		\$ 1.20		(48%)	\$ 0.84		(26%)

● Non-operating Income included 100% owned subsidiaries' income - New Material: 11m (QoQ ↓ 42%, YoY ↓ 42%), MAS: 15m (QoQ ↓ 29%, YoY ↓ 52%,).

Year 2015 Condensed Income Statement

Condensed P&L – Parent Only

(In Million NTD, except for EPS in NTD)

	<u>2015</u>	%	<u>2014</u>	%	YoY %
Net Sales	4,539	100%	5,135	100%	(12%)
Cost of Goods Sold	(2,019)	(44%)	(2,382)	(46%)	(15%)
Gross Profit	2,520	56%	2,753	54%	(8%)
Operating Expenses:					
General & Administration	(910)	(20%)	(947)	(18%)	(4%)
Research & Development	(784)	(18%)	(754)	(15%)	4%
Operating Income	826	18%	1,052	20%	(21%)
Non-Operating Income (Expenses), net ●	548	12%	432	9%	27%
Income (Loss) Before Tax	1,374	30%	1,484	29%	(7%)
Income Tax	(137)	(3%)	(166)	(3%)	(17%)
Net Income	\$ 1,237	27%	\$ 1,318	26%	(6%)
Other Comprehensive Income	(134)	(3%)	2	-	n/a
Comprehensive Income	\$ 1,103	24%	\$ 1,320	26%	(16%)
EPS (Basic)	\$ 3.28		\$ 3.52		(7%)
EPS (Diluted)	\$ 3.10		\$ 3.31		(6%)

● Non-operating Income included 100% owned subsidiaries' income - New Material: 50m (YoY ↓ 22%), MAS: 232m (YoY ↑ 102%)

Balance Sheet Highlights & Financial Ratio

Parent Only (In Million NTD)

2015. Dec

2014. Dec

+ / - %

Balance Sheet Highlights

Cash & Short Term Investment	2,703	2,168	25%
Inventory	1,301	1,257	4%
Short Term Debt	101	151	- 33%
Long Term Debt	2,988	2,361	27%
Shareholders Equity	9,410	9,271	1%
Total Assets	13,965	13,290	5%

Inventory Turnover (Day)	231	186
AR Turnover (Day)	159	141
AP Turnover (Day)	101	71
Net Debt to Equity (%)	4%	5%

ROE (%) ●	13%	15%
ROA (%) ●	9%	11%

Cash Position

2015.4Q

2015.3Q

QoQ

2015.A

YoY

EBITDA	333	595	(44%)	1,561	(6%)
Cash Flow from Operation	718	198	263%	1,523	85%
Free Cash Flow ●●	423	254	67%	896	n/a

● All ROE + ROA has been annualized.

●● Free Cash Flow = Net Cash Provided by Operating Activities + (Net Cash used by Investing Activities)

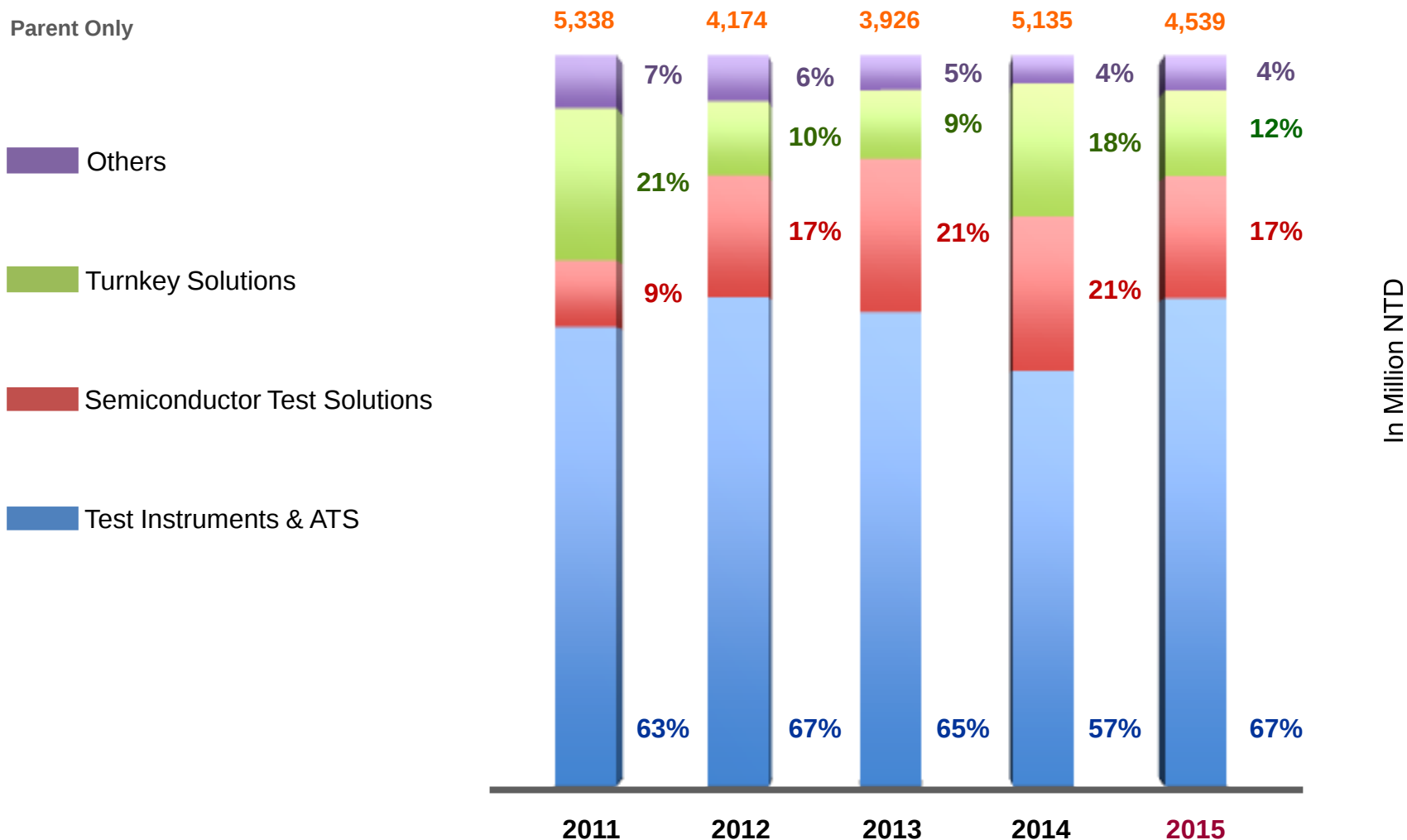
OPERATION HIGHLIGHT



Chroma Ate Inc. Sales Breakdown by Testing Solutions

(Unit: Million NTD)	<u>2015.4Q</u>	<u>%</u>	<u>QoQ</u>	<u>2014.4Q</u>	<u>%</u>	<u>YoY</u>	<u>2015</u>	<u>%</u>	<u>2014</u>	<u>%</u>	<u>YoY</u>
Test Instruments & ATS	756	63%	(10%)	810	60%	(7%)	3,029	67%	2,919	57%	4%
Semiconductor Test Solutions	225	19%	14%	291	22%	(23%)	759	17%	1,085	21%	(30%)
Turnkey Solutions	142	12%	(45%)	179	13%	(21%)	532	12%	935	18%	(43%)
Service & Others	70	6%	13%	65	5%	8%	219	4%	196	4%	12%
Total	1,193	100%	(12%)	1,345	100%	(11%)	4,539	100%	5,135	100%	(12%)

A Turnkey Solution and Intelligent Automation Line Provider



Sales Breakdown by Consolidated Entities

(Unit: Million NTD)

	<u>2015.4Q</u>	<u>%</u>	<u>QoQ</u>	<u>2014.4Q</u>	<u>%</u>	<u>YoY</u>	<u>2015</u>	<u>%</u>	<u>2014</u>	<u>%</u>	<u>YoY</u>
Chroma Ate. Inc. included overseas affiliates	1,561	61%	(7%)	1,667	64%	(6%)	5,666	58%	6,175	60%	(8%)
MAS	309	12%	143%	201	8%	54%	1,261	13%	680	7%	85%
New Material	583	23%	-	623	24%	(6%)	2,328	24%	2,983	29%	(22%)
Others	108	4%	(4%)	116	4%	(7%)	437	5%	469	4%	(7%)
Consolidated Sales	2,561	100%	3%	2,607	100%	(2%)	9,692	100%	10,307	100%	(6%)

- Due to sluggish economy and low capex sentiment, the Chroma parent sales revenues in year 2015 presented a decline of 12% compared to year 2014. The major decline is coming from Turnkey Solutions, which declined by 43% YoY. However, the core business of Test Instruments & ATS still presented a steady growth of 4% YoY, despite difficult market conditions.
- In January 2016, Chroma has acquired a 60% stake of Quantel, a Singapore incorporated test and measuring equipment distribution company. This further expands the Chroma's market penetration to Southeast Asia, after US, Europe and Japan markets.
- Moving into future, Chroma sees two industries as future growth opportunities – [Semiconductor](#), an increasing demand for SLT and RF function tester due to more IoT and Auto IC applications and [clean tech industries](#), a rising clean energy investment, particularly from EV related applications (Battery, motor and controller) and solar industry . The Company expected this will bring a sales growth to Semiconductor test solutions and tripling the sales to Turnkey Solutions in year 2016.

TECHNOLOGY

Automated
Testing

System Integration, GB/T 18487.1
AC Type: 1~40KW,
DC Type: 10~200KW

System Integration
USB Power Delivery Emulator
Power/Comm./Protection Test

Power/Battery
Testing

High Transient Linear Load: 10us
High Power Density: 6kW@4U

High Voltage Solar Array Simulator
Voc :1000 – 1500V , Isc: Up to 150A
Power Rating: 22kW – 225kW

Passive
Comp. Testing

Impedance Measurement
Wide Freq. range: 30MHz

Impulse & Hi-pot test with Vacuum
7 in 1 (ACW/DCW/IR/IWT/DCR/L/Q Phase)

'15

'16

MARKET

EVSE/ Battery/ PV/ USB PD/ Monitor/3C Adapter & Charger/Portable & Wearable Device/ Motor



SOLUTION

TECHNOLOGY

FPD Testing

5K x 3K@60Hz
5.4Gbps lane rate

8K x 4K@60Hz

Optical Testing

High Capacity Burn-in
Max. 1,280 DUT, up to 120°C

High Temperature Uniformity
±0.5°C temperature stability

PXI SMU/CMU

High Precision PXI DPS
4 CH/Slot, 600k sampling rate

High Precision PXI SMU/CMU
Ultra high resolution

'15

'16

MARKET

HD Display/ Fiber Communication/ Mobile Phone/ Component Manufacturing/ Semiconductor/ LED



TO-CAN/CoC
Burn In System
58603



FPD Tester 27014



TOSA/BOSA
Temp. Control
System
58691



8K FPD Tester



PXI e SMU
52304



PXIe
SMU/CMU
52XXX

SOLUTION

TECHNOLOGY

Logic Testing

High Parallel Sites Testing
1024 digital pins, 200Mbps

High Multi-site Testing
512 sites supported

Analog Testing

High parallel sites for ADC/DAC testing
16 bits 32 CH, 32 CH DIG, per card

IC Testing
Handler

Thermal Engine
Nitro-TEC (Liquid Nitrogen)

'15

'16

MARKET

IC – SoC/ MCU/ PMIC/ Sensors (touch-screen, fingerprint) / Connectivity (WiFi, BT)

SOLUTION



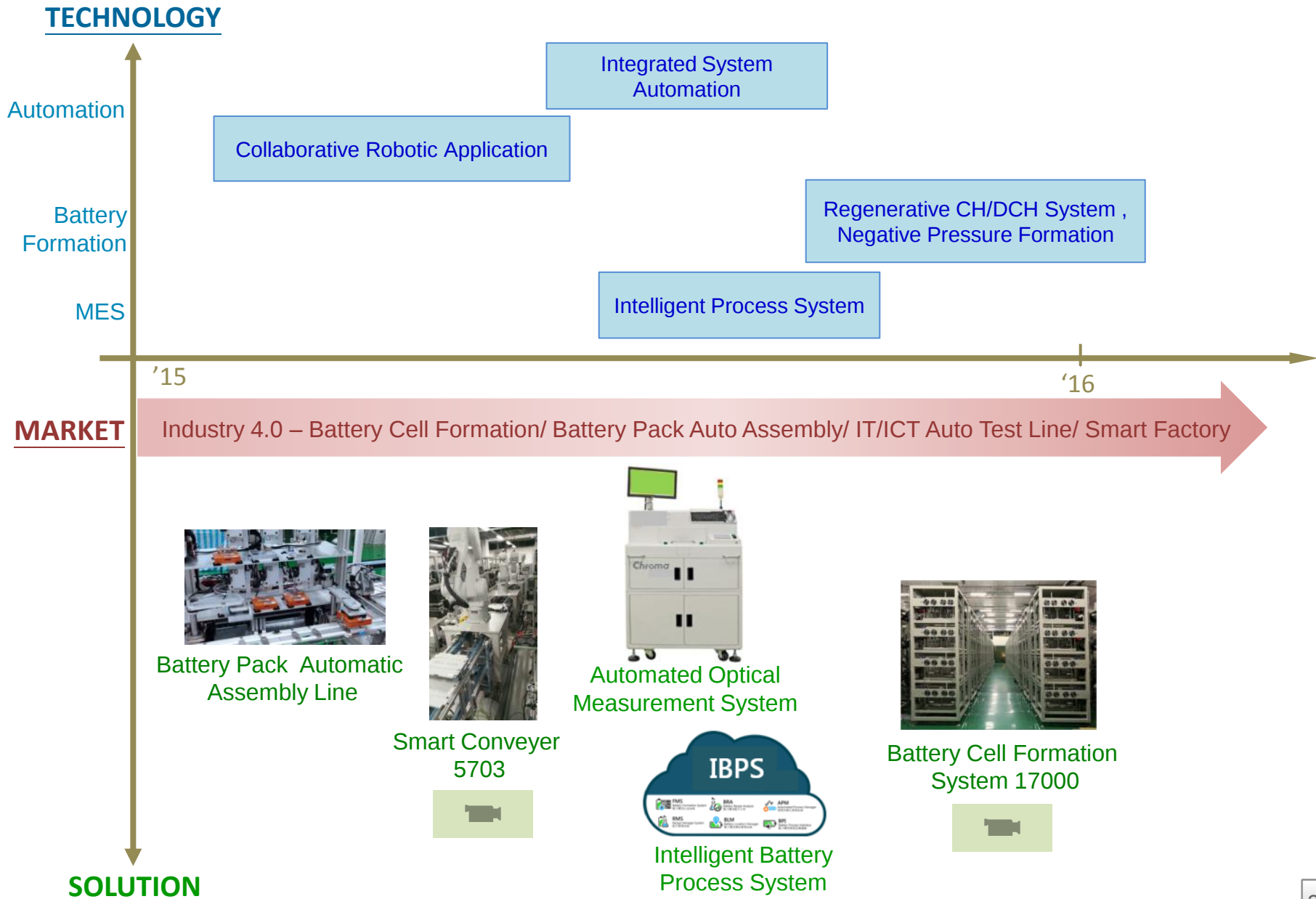
High Density Instrument
HDADDA



Full Range Active
Thermal Control
Handler 3160-F



SoC Test System
3650-EX





let's make a better world.

Thank You!